

COMPUTER ENGINEERING

Transfer Program in Pre-Engineering (Computer Engineering Option)

Course	Number	Title	Credit Hours
Engineering	1001	Introduction to Engineering	3
Engineering	1020	Computing for Engineers	3
Engineering	1100	Introduction to Computer Engineering	3
Engineering	2005	Engineering Statics	4
Engineering	2125	Introduction to Signal Processing	4
Engineering	2140	Circuit Analysis	3
Mathematics	1127	Calculus I	4
Mathematics	1128	Calculus II	4
Mathematics	2207	Calculus III	3
Mathematics	2208	Linear Algebra	3
Mathematics	2209	Differential Equations	4
Chemistry	1211	Principles of Chemistry I	4
Computer Science	1301	Principles of Computer Programming I	3
Computer Science	1302	Principles of Computer Programming II	3
Physics	2211	Calculus-Based Physics I	4
Physics	2212	Calculus-Based Physics II	4
English	1101	Composition I	3
English	1102	Composition II	3
History	2111 or 2112	United States History	3
Political Science	1101	American Government	3
Health	1101	Health	2
PHED (3 one-hour courses)		Physical Education Activities	3
Total			73

This program of study will prepare the student to enter the junior year at a senior college which offers a baccalaureate program in Computer Engineering. The student who wishes to also receive an Associate of Science degree should complete the additional requirements for the Program of Study in Physics.

The specific course requirements of area senior colleges, including additional transfer courses in technical and liberal arts subjects, are available from the Engineering Department at MGC.

Due to the requirements of senior engineering institutions, engineering students usually need to take a heavier than normal class load during their freshman and sophomore years.